

Dragon, Karen E. (CDC/NIOSH/EID)

From: Cloonan, Terrence K. (CDC/NIOSH/NPPTL)
Sent: Tuesday, November 13, 2007 8:12 AM
To: Dragon, Karen E. (CDC/NIOSH/EID)
Cc: Szalajda, Jonathan V. (CDC/NIOSH/NPPTL); Ahlers, Heinz W. (CDC/NIOSH/NPPTL)
Subject: FW: M7 Facepiece and Generic Subassemblies Index
Attachments: 2007 Edition NFPA Sub Assembly Generic Terms.doc

Ms. Dragon, please forward the attached and below comments to Docket 052 under the title: *Submissions to NIOSH Docket Office from Kuhn (MSA), via Cloonan, 11/12/07.*

Cordially,

Terry

Terrence K. Cloonan
Physical Scientist
Policy and Standards Development Branch
National Personal Protective Technology Laboratory of NIOSH/CDC/HHS, U.S.A.
(412) 386-6701, Desk.

From: John.Kuhn@MSANet.com [mailto:John.Kuhn@MSANet.com]
Sent: Monday, November 12, 2007 2:28 PM
To: Cloonan, Terrence K. (CDC/NIOSH/NPPTL)
Subject: M7 Facepiece and Generic Subassemblies Index

Terry:

I've reviewed the documents you sent to my attention last week. I'd like to offer the edited Word file (attached below) in comment.

I've tried to limit my comments to those providing editorial clarification supporting what I believe to be your primary objective, that being to illustrate critical attributes of an NFPA 2007-Edition SCBA. Also, in some cases I was unable to ascertain exactly to which component reference was being made, since the drawing is not yet numbered. In these few cases, I used my own judgement, which of course may or may not be correct.

In all cases, I've highlighted my edits in blue text. In some cases, the comments would (I think) provide better agreement with the terminology used in the standards. I've added a third section to the document to highlight those design attributes of which it was the Committee's intent to effect an improvement. I think that this is your intent, but I've split these out to differentiate between physical components and design attributes.

In all cases, I've attempted to emphasize the educational aspect of the illustration as it relates to NFPA requirements. (Hence the addition of the third section.) If I've misinterpreted your purpose, please feel free to modify or reject any of this in the spirit in which it is offered. As always, I'm here should you wish to discuss any of it.

I've not attached the drawing, but my suggestion there is relative to the title. The title might be more clearly stated as "Representative Illustration of NFPA-2007 Edition CBRN-compliant SCBA Identifying Typical Components for NFPA-Compliance."

11/13/2007

Thanks for the opportunity to provide suggestions.

Best Regards,

A handwritten signature in cursive script, appearing to read "John". The signature is written in black ink and is positioned below the "Best Regards," text.

Subject: Representative Illustration of NFPA-2007 Edition CBRN-compliant SCBA
Identifying Typical Components for NFPA-Compliance

Date: November 8, 2007

1. NFPA 1981 component identification with location code numbers:

- a. 1 = "CBRN" Label (Required for 2007-Edition SCBA)
- b. 2 = Power Supply (IS)
- c. 3 = Electronic Voice Amplifier (IS, optional accessory)
- d. 4 = HUD Receiver with Integral Power Supply (IS)
- e. 5 = Primary End-of-Service-Time Alarm with RIC Universal Air Connection
- f. 6 = Cylinder Retention Device
- g. 7 = NIOSH 42 CFR Part 84 Label
- h. 8 = NFPA 1981 and 1982 Compliance Labels (including certification agency symbol, SEI)

Note: IS = Intrinsically Safe

2. NFPA 1982 component identification with location code letters:

- a. A = PASS Controls (IS)
- b. B = Independent-Operating Air Pressure Gauge
- c. C = Audible Alarm, PASS/Redundant EOSTI with Optional Status-Indicating (Buddy) Lights (IS)

3. Capabilities Improved or Enhanced Through Additional of Performance Tests in NFPA 1981/1982

- a. Cylinder Retention
- b. Repetitive High Temperature Exposure and Leak Integrity
- c. PASS Alarm Sound Pressure Level at Elevated Temperature
- d. Resistance to Mechanical Shock
- e. Incident Data-Logging